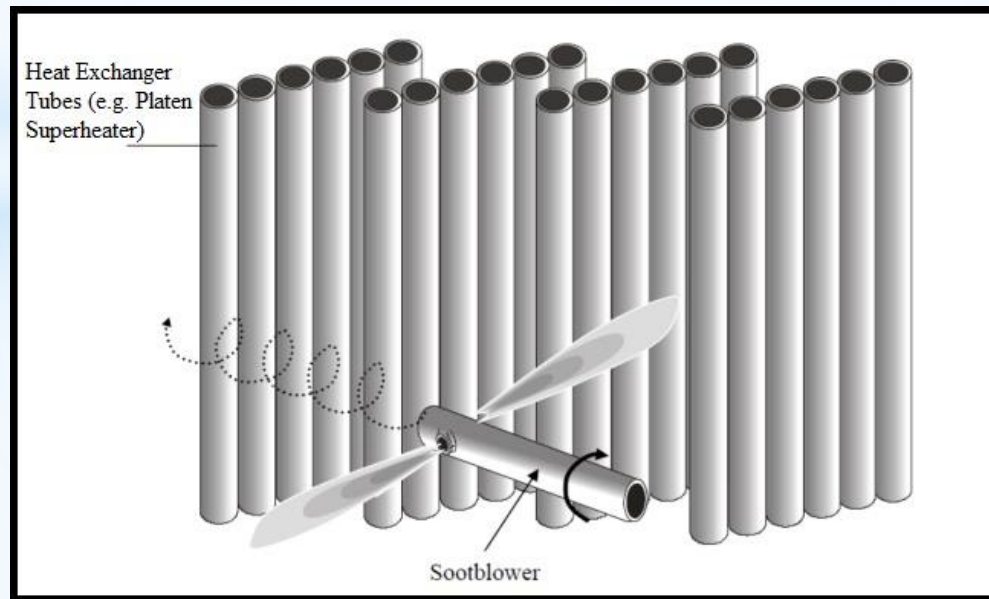




**Long Retractable
Blower SLB 82/84E**

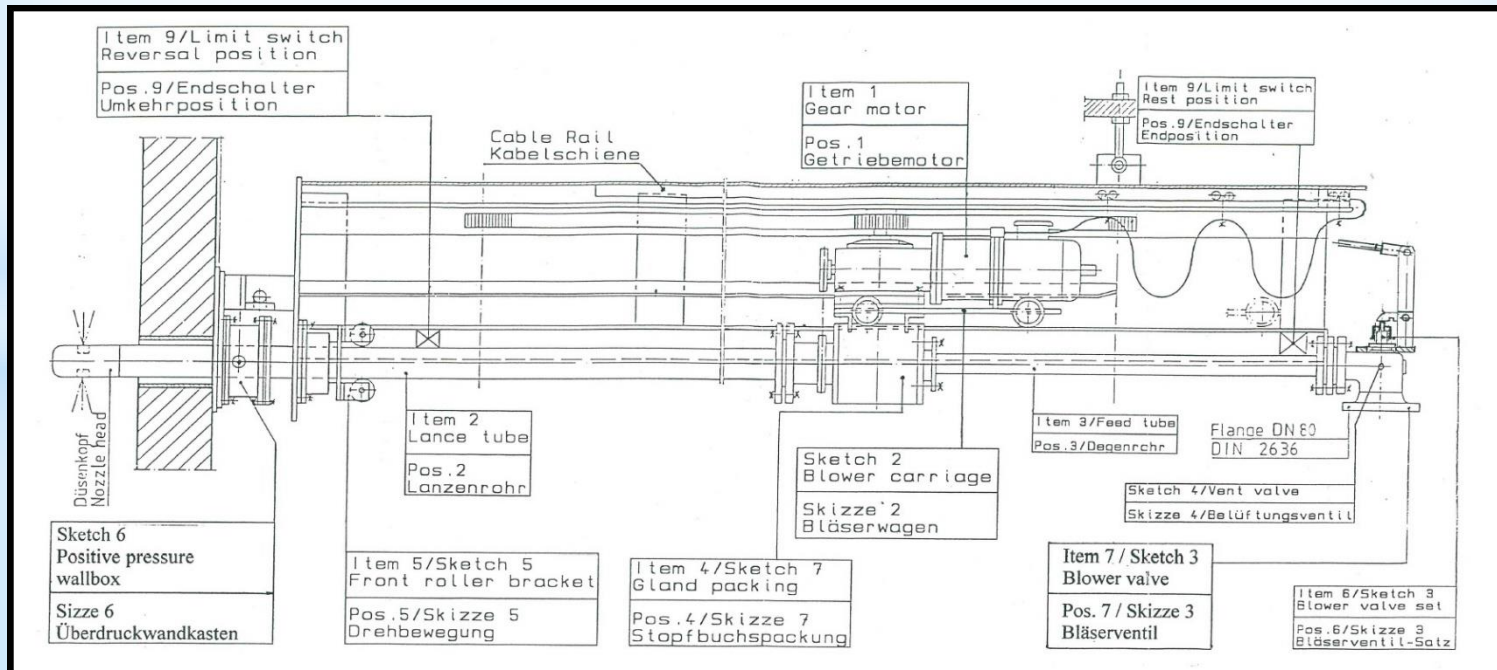
Cleaning of heating surfaces in high temperature areas

- Lance tube with nozzle head is retracted through the wall box into the boiler
- Blowing process starts as soon as the nozzle head passed through the boiler wall
- The heating surfaces near to lance tube are cleaned (radius up to 4 m)
- When reaching the front end position, the direction of movement changes and the nozzle head returns to its starting position



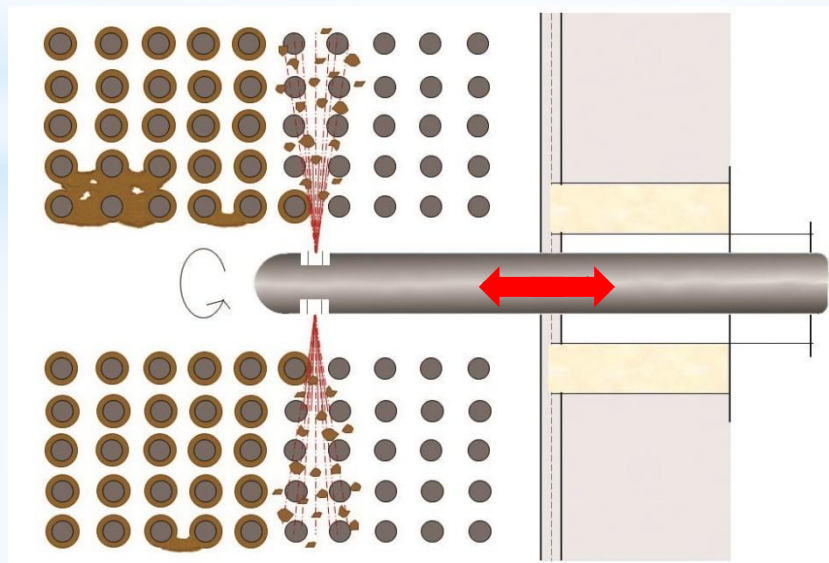
Basic parameters

- Blowing angle: adjustable between 60° - 360°
- Blowing medium: Steam or air
- Movement: Rotation and translation driven by electric gear motor

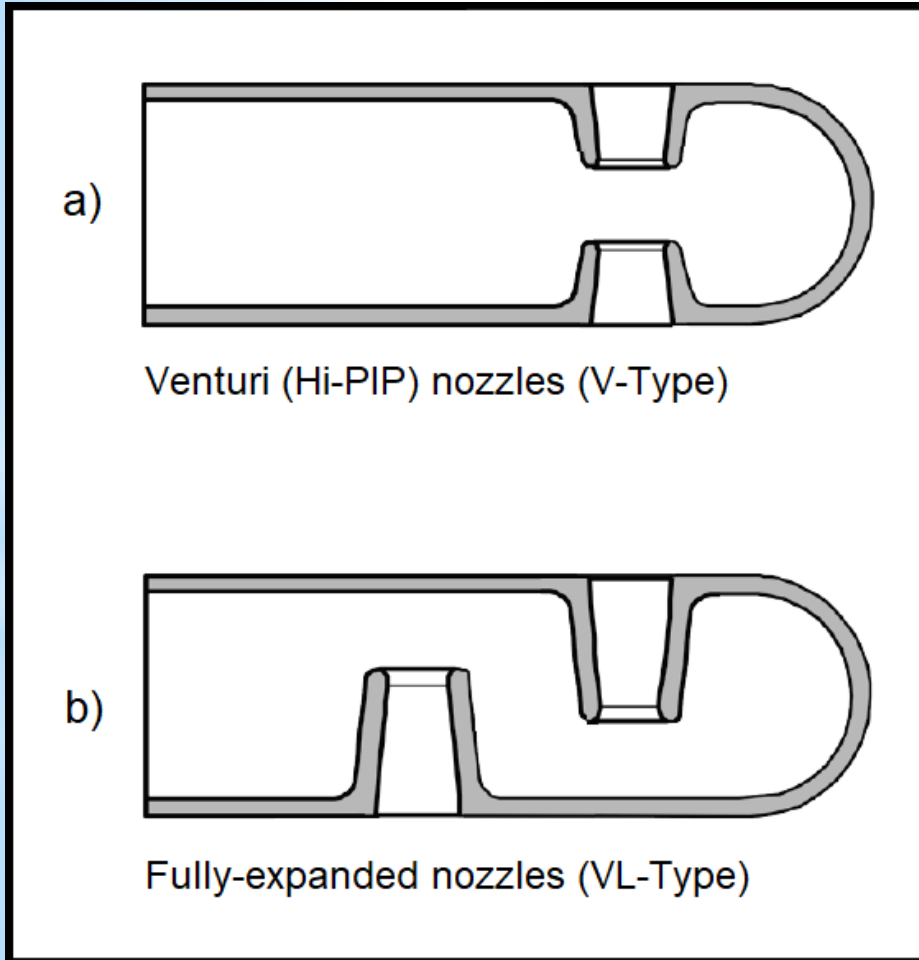


Material grade

- Blower valve: Cast steel, adjustable blowing pressure
- Track beam: High quality construction steel
- Feed tube: Honed stainless steel
- Lance tube: Heat resistant steel
- Nozzle head: Heat resistant stainless steel



Nozzle head comparison

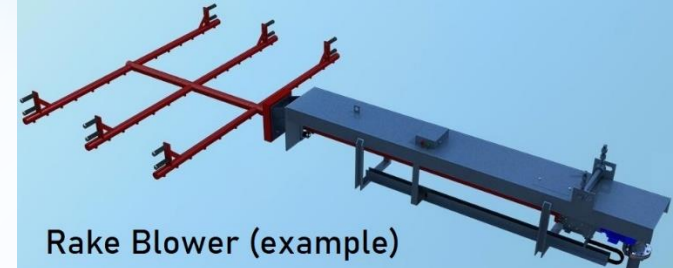
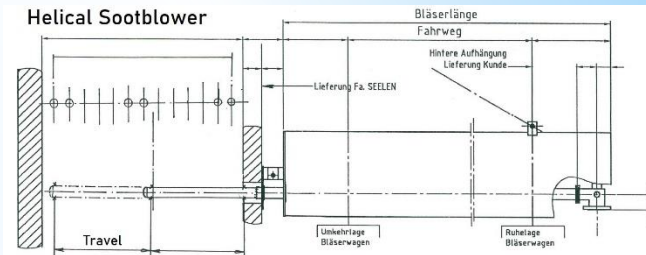


a) Used for applications in areas with lower or medium level of fouling / slagging

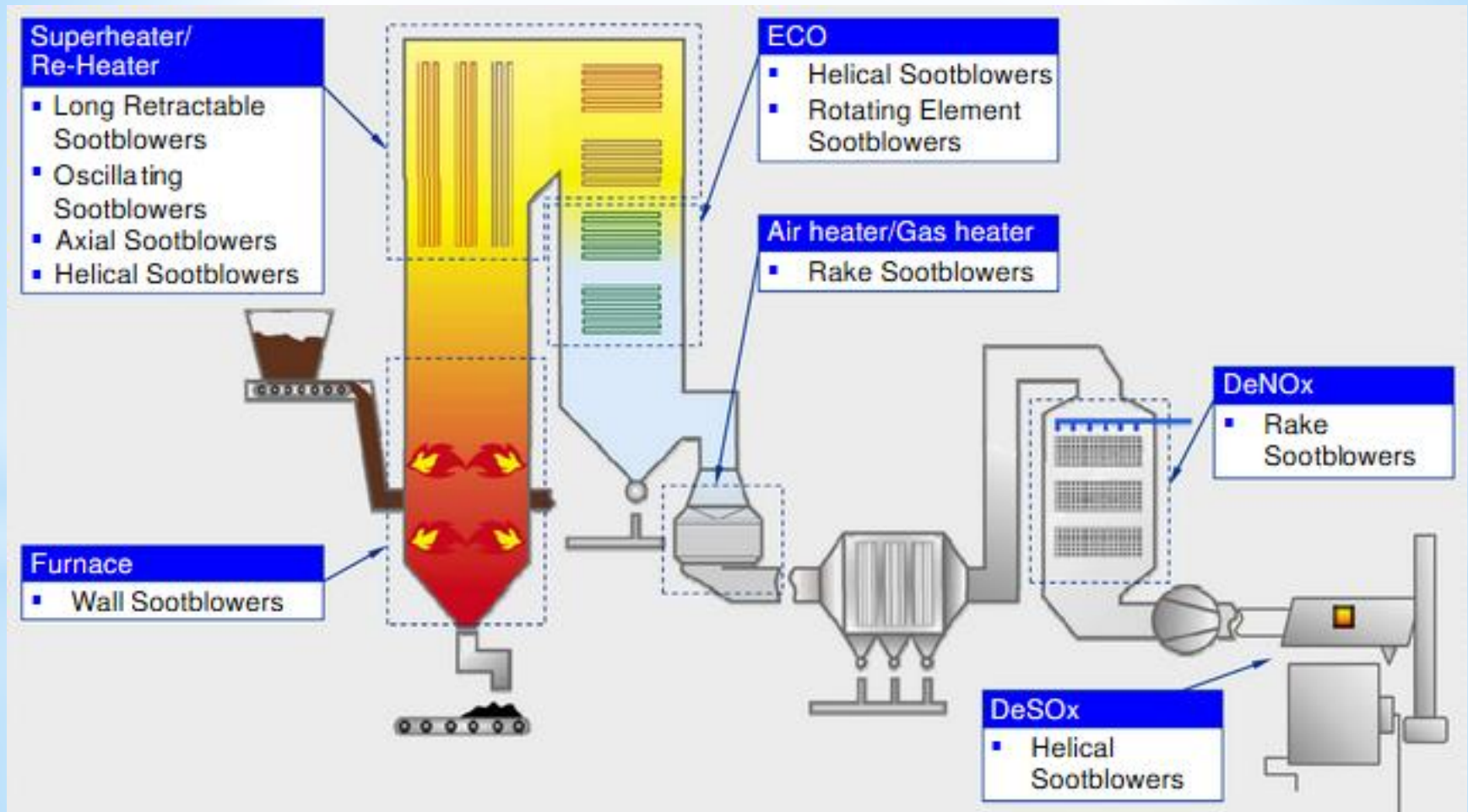
b) Necessary for highest level of fouling and sticky ash deposits

Variations and modifications

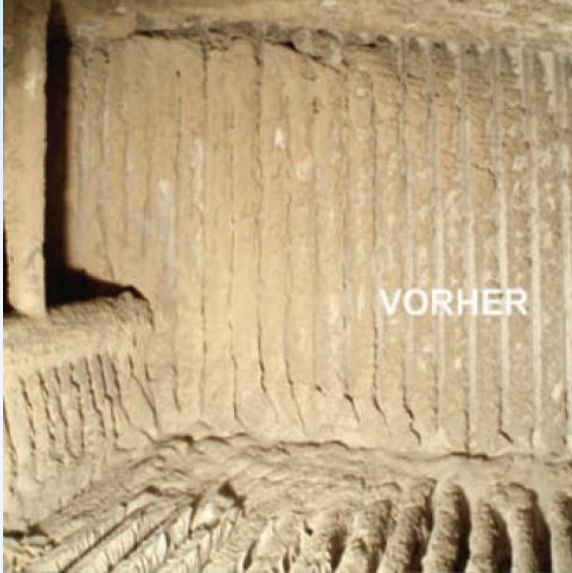
- Long Retractable Sootblower
 - Standard
- Helical Sootblower
 - Partly retractable
 - Limited space requirements
- Oscillating Sootblower
 - Selectively cleaning of heating surface
- Rake Sootblower
 - Axial movement
 - For DeNOx or catalytic converters



Fields of application



Comparison



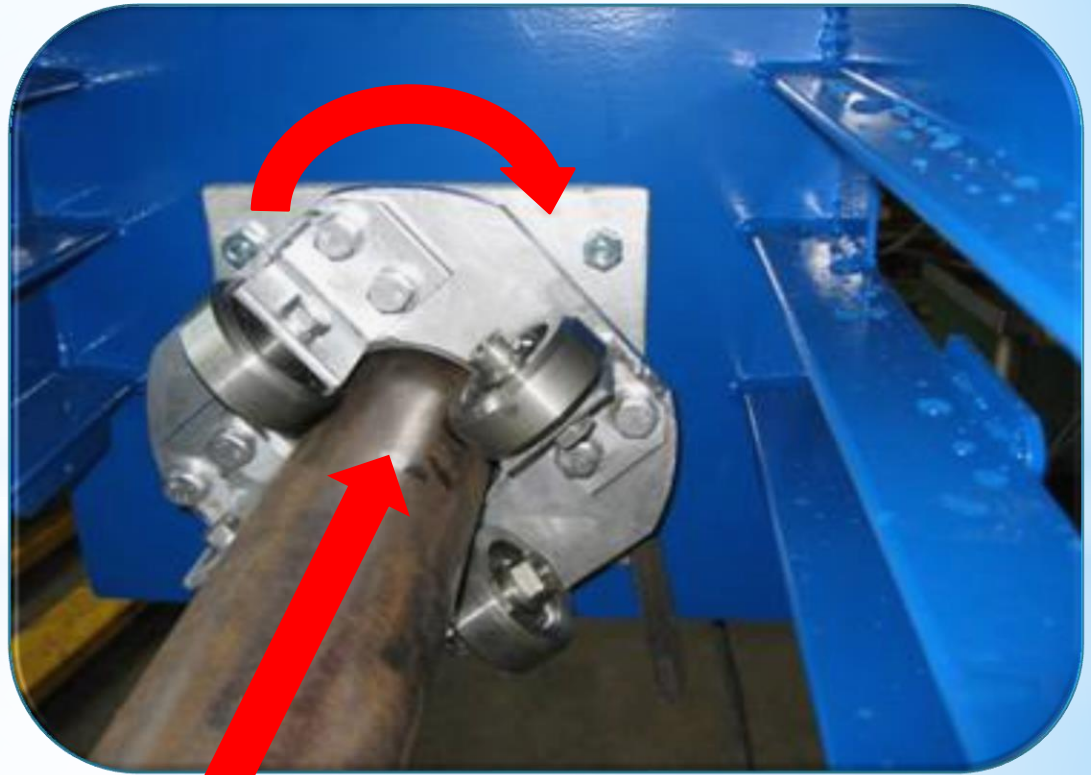
Boiler tubes after poor sootblowing performance



Boiler tubes after sufficient sootblowing

SEELEN's unique features

- The SEELEN Roller Bracket leads to distribution of the translational and rotational forces
- Advantage:
 - Smooth movement
 - Almost no wear
 - No jamming

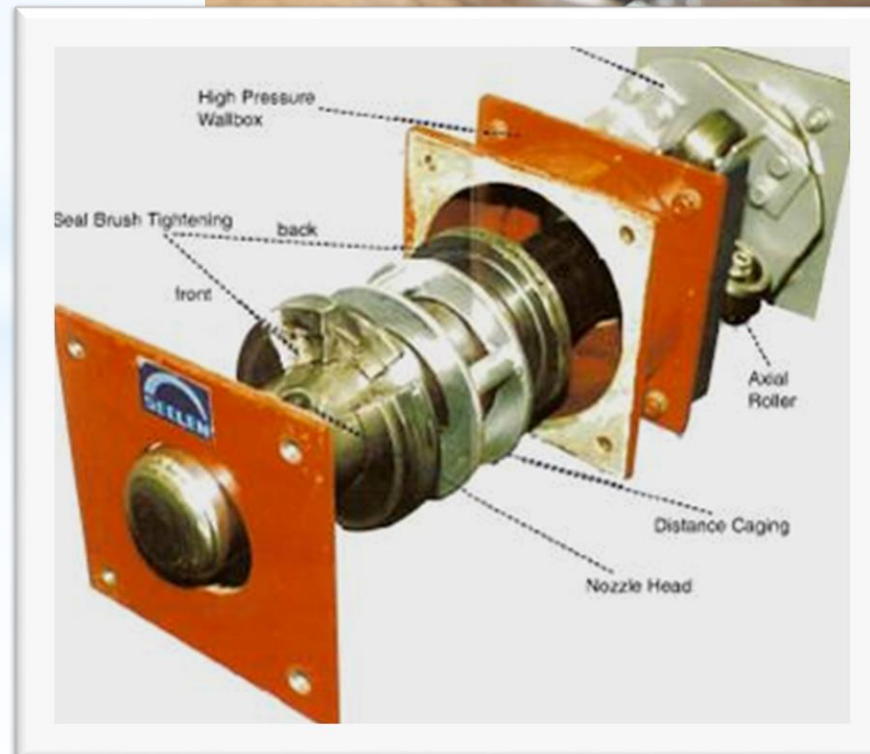


SEELLEN's unique features

- The SEELEN Seal Brush increases the efficiency of sealing air wall boxes by 38%



- Advantage:
 - No flue gas leakage
 - Less sealing air consumption
 - Clean and smooth surface of lance tube



Advantages of the SEELEN SLB82E

- High reliability of the SEELEN SLB 82/84E long retractable sootblower
 - Higher efficiency of heat transfer
 - Less boiler shutdowns
 - Less maintenance effort and cost
- Improved wall box sealing
 - Less pollution and flue gas discharge

- ✓ *Less costs in the long run*
- ✓ *Protection of the environment*

REFERENCES



made in germany

www.seelen-engineering.com